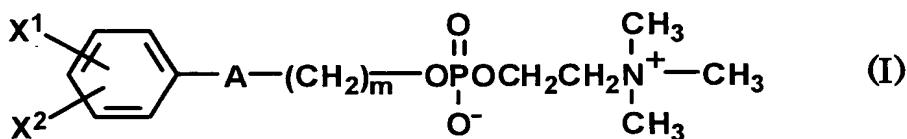


## CLAIMS

1. A compound having a phosphorylcholine group, represented by the formula (I):



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wherein  $\text{X}^1$  and  $\text{X}^2$  are both amino groups or  $-\text{COOR}^1$  groups where  $\text{R}^1$ 's may be the same or different from each other and are each a hydrogen atom or a carboxyl-protective group;  $\text{A}$  is a bond selected from a single bond,  $-\text{O}-$ ,  $-\text{COO}-$ ,  $-\text{OOC}-$ ,  $-\text{CONH}-$ ,  $-\text{NH}-$ ,  $-\text{NHCO}-$ ,  $-\text{NR}^2-$  and  $-\text{CH}_2\text{O}-$  where  $\text{R}^2$  is an alkyl group having 1 to 6 carbon atoms; and  $m$  is an integer of 1 to 12.

2. The compound having a phosphorylcholine group according to claim 1, wherein  $\text{X}^1$  and  $\text{X}^2$  are both amino groups.

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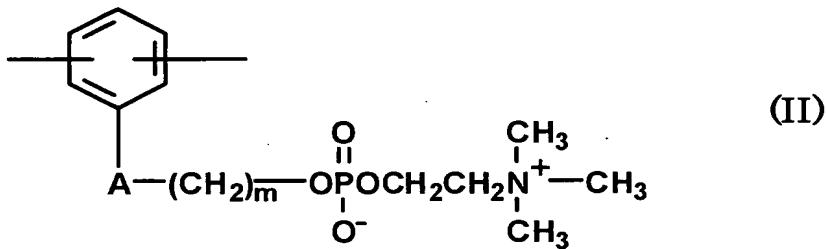
3. The compound having a phosphorylcholine group according to claim 1, wherein  $\text{X}^1$  and  $\text{X}^2$  are both  $-\text{COOR}^1$  groups where  $\text{R}^1$ 's are both hydrogen atoms.

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4. The compound having a phosphorylcholine group according to claim 1, wherein  $\text{X}^1$  and  $\text{X}^2$  are both  $-\text{COOR}^1$  groups where  $\text{R}^1$ 's may be the same or different from each other and

are each an alkyl group having 1 to 6 carbon atoms, a substituted or unsubstituted arylmethyl group, a cyclic ether residue, an alkylsilyl group or an alkylphenylsilyl group.

5. A polymer comprising at least 1 mol% of repeating units with a phosphorylcholine group and having a number-average molecular weight of 1,000 or more, the repeating units with a phosphorylcholine group being represented by the formula (II):



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wherein A is a bond selected from a single bond, -O-, -COO-, -OOC-, -CONH-, -NH-, -NHCO-, -NR<sup>2</sup>- and -CH<sub>2</sub>O- where R<sup>2</sup> is an alkyl group having 1 to 6 carbon atoms; and m is an integer of 1 to 12.

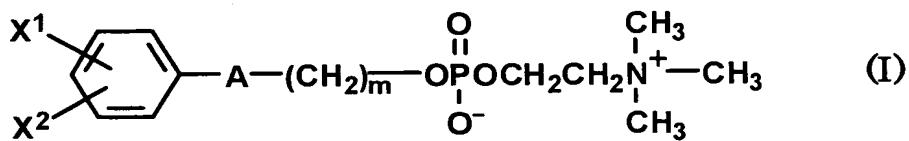
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6. The polymer according to claim 5, which has one or more bonds selected from an amido bond, an ester bond, a urethane bond, a urea bond and an imido bond within its main chain skeleton.

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7. A process for producing a polymer as described in

claim 5, which process comprises performing polycondensation or polyaddition of a compound having a phosphorylcholine group represented by the formula (I) and another polymerizable monomer:



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wherein  $\text{X}^1$  and  $\text{X}^2$  are both amino groups or  $-\text{COOR}^1$  groups where  $\text{R}^1$ 's may be the same or different from each other and are each a hydrogen atom or a carboxyl-protective group;  $\text{A}$  is a bond selected from a single bond,  $-\text{O}-$ ,  $-\text{COO}-$ ,  $-\text{OOC}-$ ,  $-\text{CONH}-$ ,  $-\text{NH}-$ ,  $-\text{NHCO}-$ ,  $-\text{NR}^2-$  and  $-\text{CH}_2\text{O}-$  where  $\text{R}^2$  is an alkyl group having 1 to 6 carbon atoms; and  $m$  is an integer of 1 to 12.

8. The process according to claim 7, wherein the other polymerizable monomer is one or more monomers selected from 15 a dicarboxylic acid, a dicarboxylic acid derivative, a tetracarboxylic dianhydride, a diisocyanate compound, a diamine compound and a diol compound.